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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

July 12, 2007

Tracy Burnham  
Decorative Landscaping and Design  
3231 North Millcreek Road  
Pleasant Grove, Utah 84062

Subject: Initial Review of Notice of Intention to Commence Large Mining Operations, Decorative Landscaping., T & M Holdings, S0350023, Task 1551, Salt Lake County, Utah

Dear Mr. Burnham:

The Division has completed a review of your response for the T & M Holdings, received September 14, 2006. After reviewing the information, the Division has the following comments which need to be addressed before tentative approval may be granted. We believe a copy of this review may have been previously sent to you, but because we have no record of this, we are sending this copy. We apologize for this confusion and possible delay in responding to your proposal.

The comments are listed below under the applicable Minerals Rule heading. Please address only those items requested in the attached technical review. Send replacement pages to the original notice **using redline and strikeout text** and indicate how these are to be incorporated into the plan using Form-MR-REV-att found at <http://www.ogm.utah.gov/minerals/MINERALSFORMS.htm>.

The Division requests that submittals are made according to the following format. Notices and changes should be three hole punched, maps folded and placed in a plastic 8 1/2 by 11 sleeve, and binders provided for new notices, revisions, applications, or other changes of 30 pages or more (binders need only be provided once). Applications should not be bound.

If you have any questions please contact me, 538-5258, or Paul Baker of the minerals staff. If you wish to discuss this review, please contact us at your earliest convenience. Please refer to file number S0350023 concerning any correspondence with this review. Thank you for your cooperation in completing this permitting action.

Sincerely,

Susan M. White  
Mining Program Coordinator  
Minerals Regulatory Program

SMW:PBB:pb  
Attachment: Review, Form MR-REV-att  
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## **FIRST REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS**

**Decorative Landscaping  
T & M Holdings**

**M0350023  
July 12, 2007**

### **R647-4-104 - Filing Requirements and Review Procedures**

Item number 10 in the application asks whether the land, mineral, and adjacent land owners have been notified in writing. This is checked "No" with the explanation that the operator will not be approaching the boundaries for quite some time.

The answer shown in the application appears to be in reference to owners of adjacent lands. Please clarify whether the owners of the surface and mineral rights on the land to be mined have been notified. (PBB)

### **R647-4-105 - Maps, Drawings & Photographs**

105.1 Topographic base map, boundaries, pre-act disturbance

The base map should be submitted that is of sufficient size to show items a, b, c, d, e as described in the LMO application form. (DJ)

The Division understands the entire area disturbed by Bluffdale Sand and Gravel was to be included under this LMO, but the maps only show the southern portion of the area they disturbed. Please show on the maps the entire area intended to be in this LMO application. (PBB)

105.2 Drawings or Cross Sections (slopes, roads, pads, etc.)

A reclamation treatments map should be included that show items a, b, c, d, as described in the LMO application. (DJ)

### **R647-4-106 - Operation Plan**

106.3 Estimated acreages disturbed, reclaimed, annually.

The estimate acreage indicates that 30 acres will be disturbed at one time. The map included in the application shows a four-acre mining area and two additional areas of five acres each both of which have now been reclaimed. The map should show the entire acreage that will be covered by this pit and other areas that may potentially be disturbed by this mining effort. The areas that have been mined and the area proposed to be mined should be labeled as "disturbed area" or "bonded area." The entire area disturbed by Bluffdale Sand and Gravel is about 63 acres. (DJ & PBB)



- 106.5 Existing soil types, location, amount  
Please provide an estimate of the range of topsoil depths. Rock outcrops will have no soil, and north-facing drainages will normally have deeper soil. Are there any soils available in previously disturbed areas. (PBB)
- 106.6 Plan for protecting & redepositing soils  
The application says topsoil is replaced the same day it is removed.  
Please provide a better description of topsoil salvage and replacement methods.  
Approximately what depth of soil is salvaged and segregated from other materials? The Division assumes the material is temporarily stockpiled immediately adjacent to excavations so it can be used when these excavations are filled. Is this correct? (PBB)
- The Division understands a large portion of the area to be mined has been previously disturbed by Bluffdale Sand and Gravel's operation. What soil will be used in these previously disturbed areas? (PBB)
- 106.7 Existing vegetation - species and amount  
Please provide an estimate of vegetation cover broken up into weedy and non-weedy species. Please also include a list of dominant species in the area. (PBB)
- 106.8 Depth to groundwater, extent of overburden, geology  
The operator will need to do a search for any water rights in the area. They can do this on the Department of Natural Resources, Division of Water Rights website by entering a legal description of the disturbed area and adjacent area. See the following website for more information: <http://www.waterrights.utah.gov/wrinfo/query.asp>. (TM)

**R647-4-107 - Operation Practices**

The operator should address items contained in this portion of the permit application. A description of how this mine will operate and other pertinent data should be included. A detailed description may not be necessary, but the application should at least include some narrative concerning appropriate portions of these regulations. (DJ & PBB)

Storm water management plans and permits are required by the Division of Water Quality for all activity that disturbs more than one acre of land. Information from this permit would probably suffice for the erosion and sediment control plan needed by the Division. See the following website for more information:  
<http://www.waterquality.utah.gov/UPDES/stormwatercon.htm>  
(PBB & TM))

- 107.4 Deleterious material safely stored or removed  
Will there be any fuel storage on site and how will it be stored?(TM)

**R647-4-110 - Reclamation Plan**

- 110.1 Current & post mining land use



The premining land description of vacant is not acceptable as a description. The land use in that area was probably grazing and wildlife. The post mining land use of home/residential community may be an eventuality in this area but until a housing plat has been approved for this area and mining completed it cannot be accepted as a post-mining land use. The surety will need to be adequate for reclamation to the premining land use. (DJ)

- 110.2 Roads, highwalls, slopes, drainages, pits, etc., reclaimed  
Please describe how access roads and pads within the site will be reclaimed. (DJ)

- 110.5 Revegetation planting program  
A plan should be included that describes the revegetation effort that will take place at the site. The revegetation plan should show surface preparation and plans for seeding. The site should be left extremely rough, and seed should be applied as soon as possible after surface preparation. Seeding for final revegetation should be done in the fall. (DJ & PBB)

Seeding for establishment of interim vegetation should be done to decrease the number of weeds and for erosion control if some areas are not to be redisturbed or receive final revegetation treatments for a few months. The Division recommends seeding an annual grain in these areas. (PBB)